



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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mjs  
12-13-02

In re the Application of

Yoshihiro TSUCHIYA et al.

Group Art Unit: 2653

Application No.: 09/769,760

Examiner: G. Letscher

Filed: January 26, 2001

Docket No.: 108337

For: MAGNETIC TRANSDUCER, THIN FILM MAGNETIC HEAD, METHOD OF  
MANUFACTURING MAGNETIC TRANSDUCER AND METHOD OF  
MANUFACTURING THIN FILM MAGNETIC HEAD

PRELIMINARY AMENDMENT

**RECEIVED**

DEC 11 2002

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

**Technology Center 2600**

Sir:

Prior to initial examination and in reply to the November 8, 2002 Restriction/Election Requirement, please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claims 1-27 without prejudice to or disclaimer of the subject matter contained therein.

Please add new claims 28-55 as follows:

--28. A magnetic transducer, comprising:  
a nonmagnetic layer having a pair of surfaces opposing each other;  
a soft magnetic layer formed on one surface of the nonmagnetic layer;  
a ferromagnetic layer formed on the other surface of the nonmagnetic layer;  
an antiferromagnetic layer formed on the ferromagnetic layer on the side  
opposite to the nonmagnetic layer;